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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/884,551	06/18/2001	Jeffrey M. Cosman	211650	2375

23460 7590 08/19/2003  
LEYDIG VOIT & MAYER, LTD  
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CHICAGO, IL 60601-6780

9  
EXAMINER

SOOHOO, TONY GLEN

ART UNIT	PAPER NUMBER
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1723

DATE MAILED: 08/19/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Interview Summary</b>	Application No. 09/884,551	Applicant(s) COSMAN ET AL.	
	Examiner Tony G Soohoo	Art Unit 1723	

All participants (applicant, applicant's representative, PTO personnel):

(1) Tony G Soohoo. (3) \_\_\_\_\_.

(2) Steven Sklar. (4) \_\_\_\_\_.

Date of Interview: 18 August 2003.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☒ Yes e) ☐ No.

If Yes, brief description: Proposed claims fax on 8/15/2003.

Claim(s) discussed: see proposed claims.

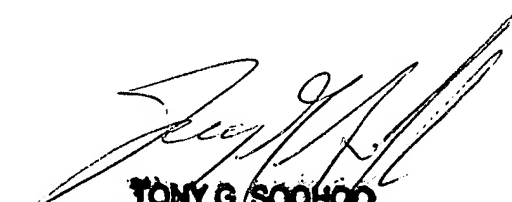
Identification of prior art discussed: Hotchkiss 5468068, Haaser et al 5938080.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant's representative pointed out that the Hotchkiss reference does not utilize a computer for gravimetric dispensing of intermediates. Furthermore discussion was made to the standardization of the intermediates for concentrates to be used in plastic parts.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

  
**TONY G. SOOHOO**  
**PRIMARY EXAMINER**

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

#### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

##### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

##### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

#### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

LAW OFFICES  
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*Attach out  
to #9*

TELEPHONE: (312) 616-5600

TELECOPY: (312) 616-5700 (G3)  
(312) 849-0495 (G4)**FACSIMILE COVER SHEET**

*FOR  
INTERVIEW*

DATE: AUGUST 15, 2003

NUMBER OF PAGES (INCLUDING  
THIS TRANSMITTAL COVER SHEET): 7

SERIAL NUMBER: 09/884,551 (COSMAN ET AL.) OUR REFERENCE: 211650

TO: EXAMINER TONY G. SOOHOO  
U.S. PATENT AND TRADEMARK OFFICETELEPHONE NUMBER: (703) 308-2882  
FACSIMILE NUMBER: (703) 872-9750

FROM: STEVEN H. SKLAR

## MESSAGE:

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**PATENT**  
Attorney Docket No. 211650

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Cosman et al.

Group Art Unit: 1723

Application No. 09/884,551

Examiner: Tony G. Soohoo

Filed: June 18, 2001

For: **PROCESS AND DISPENSING SYSTEM  
FOR PREPARING LIQUID CONCENTRATES  
FOR PLASTICS**

**PROPOSED CLAIM AMENDMENTS IN RESPONSE TO  
OFFICE ACTION DATED MARCH 12, 2003**

1. (Amended) A process for preparing a liquid concentrate for use in the manufacture of plastic parts comprising:

- (a) preparing one or more liquid intermediates, wherein the liquid intermediates comprise a liquid vehicle and at least one additive;
- (b) standardizing the liquid intermediates; and
- ~~(c) transferring the standardized liquid intermediates to a remote location; and~~
- ~~(c)(d) dispensing the liquid intermediates to produce a liquid concentrate, wherein the dispensing of the liquid intermediates is controlled by a computer according to a predetermined gravimetric formula for the liquid concentrate stored in the computer, wherein the liquid intermediates are dispensed consecutively according to the predetermined gravimetric formula. quantity of each liquid intermediate dispensed is controlled according to a predetermined formula for the liquid concentrate.~~

2. (Cancelled) ~~The process according to claim 1, wherein the quantity of each liquid intermediate dispensed is controlled by a computer that contains the predetermined formula.~~

3. (Cancelled) ~~The process according to claim 2, wherein the formula is gravimetric.~~

4. (Amended) The process according to claim 13, wherein the gravimetric formula is inputted into the computer locally.

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5. (Amended) The process according to claim 13, wherein the gravimetric formula is inputted into the computer remotely.

6. (Original) The process according to claim 1, wherein the additive is selected from the group consisting of a colorant, an optical brightener, a laser marking additive, an anti-settling agent, a blowing agent, a release agent, a light stabilizer, and mixtures thereof.

7. (Cancelled) ~~The process according to claim 2, wherein the dispensing of the liquid intermediates in step (d) is controlled by a computer.~~

8. (Amended) The process according to claim 17, wherein at least one of the liquid intermediates is agitated after step (c) and before step (d).

9. (Original) The process according to claim 8, wherein the liquid intermediate is agitated by recirculating the intermediate.

10. (Original) The process according to claim 9, wherein the recirculation of the liquid intermediate is computer controlled.

11. (Amended) The process according to claim 17, wherein the liquid intermediates are dispensed in order of heaviest intermediate on a weight basis to smallest intermediate on a weight basis.

12. (Amended) The process according to claim 17, wherein the formula is prepared prior to step (c)(d) based on additive requirements received from the user of the liquid concentrate or determined as part of the formula development process.

13. (Amended) A process for preparing a liquid concentrate for use in the manufacture of plastic parts comprising:

(a) providing one or more liquid intermediates, wherein the liquid intermediates comprise a liquid vehicle and at least one additive, wherein the liquid intermediates are standardized, and wherein the liquid intermediates have been prepared remotely; and

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(b) dispensing the liquid intermediates to produce a liquid concentrate, wherein the dispensing of the liquid intermediates is controlled by a computer according to a predetermined gravimetric formula for the liquid concentrate stored in the computer, wherein the liquid intermediates are dispensed consecutively according to the predetermined gravimetric formula; and quantity of each liquid intermediate dispensed is controlled according to a predetermined formula for the liquid concentrate.

(c) mixing the liquid concentrate to achieve a uniform distribution.

14. (Cancelled) ~~The process according to claim 13, wherein the quantity of each liquid intermediate is controlled by a computer that contains the predetermined formula.~~

15. (Cancelled) ~~The process according to claim 14, wherein the formula is gravimetric.~~

16. (Amended) The process according to claim ~~13~~15, wherein the gravimetric formula is inputted into the computer locally.

17. (Amended) The process according to claim ~~13~~15, wherein the gravimetric formula is inputted into the computer remotely.

18. (Amended) The process according to claim ~~13~~1, wherein the additive is selected from the group consisting of a colorant, an optical brightener, a laser-marking additive, an anti-settling agent, a blowing agent, a release agent, a light stabilizer, and mixtures thereof.

19. (Cancelled) ~~The process according to claim 13, wherein the dispensing of the liquid intermediates in step (b) is controlled by a computer.~~

20. (Amended) The process according to claim ~~13~~19, wherein at least one of the liquid intermediates is agitated after step (a) and before step (b).

21. (Original) The process according to claim 20, wherein the liquid intermediate is agitated by recirculating the liquid intermediate.

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22. (Original) The process according to claim 21, wherein the recirculation of the liquid intermediate is controlled by a computer.

23. (Amended) The process according to claim 13-19, wherein the liquid intermediates are dispensed in order of heaviest liquid intermediate on a weight basis to smallest liquid intermediate on a weight basis.

24. (Original) The process according to claim 13, wherein the formula is prepared prior to step (b) based on additive requirements received from the user of the liquid concentrate or determined as part of the formula development process.

25. (Cancelled – restriction requirement)

26. (Cancelled) ~~A dispensing system to prepare a liquid concentrate for use in the manufacture of plastic parts comprising:~~

~~(a) a plurality of containers each containing a standardized liquid intermediate prepared at a location remote from the dispensing system; and~~

~~(b) a dispensing machine for dispensing a plurality of liquid intermediates to produce a liquid concentrate, wherein the quantity of each liquid intermediate dispensed is controlled according to a predetermined gravimetric formula for the liquid concentrate, wherein the quantity of each liquid intermediate is controlled by a computer that contains the predetermined gravimetric formula, and wherein the dispensing of the liquid intermediates is controlled by the computer.~~

27. (Cancelled) ~~The dispensing system according to claim 28, wherein the predetermined gravimetric formula for the liquid concentrate is selected by the operator of the dispensing machine from a formula library stored in the computer.~~

28. (Amended) An automated dispensing system for preparing a liquid concentrate for use in the manufacture of plastic parts comprising:

(a) a plurality of containers each containing a standardized liquid intermediate; prepared at a location remote from the dispensing system;



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ORDER  
OF DISPOSITION

~~(b)~~ a computer for selecting a predetermined gravimetric formula for a desired liquid concentrate; and

~~(b)(e)~~ a dispensing machine for dispensing a plurality of liquid intermediates to produce the desired liquid concentrate, wherein the dispensing of the liquid intermediates is controlled by a computer according to a predetermined gravimetric formula for the liquid concentrate stored in the computer, wherein the liquid intermediates are dispensed consecutively according to the predetermined gravimetric formula, and wherein the predetermined gravimetric formula for the liquid concentrate is selected by an operator from a concentrate formula library stored in the computer; and quantity of each liquid intermediate is controlled by a computer that contains the predetermined gravimetric formula, and wherein the dispensing of the liquid intermediates is controlled by the computer.

(c) a mixing station for mixing the liquid concentrate to achieve a uniform distribution.

29. (Cancelled) ~~The dispensing system according to claim 28, wherein the predetermined gravimetric formula for the liquid concentrate is selected by the operator of the dispensing machine from a concentrate formula library stored in the computer.~~

30. (Cancelled) ~~The dispensing system according to claim 29, wherein the gravimetric formula for the liquid concentrate is generated by an operator using one or more of the liquid intermediates identified in an intermediate library stored in the computer.~~

31. (Amended) The dispensing system according to claim ~~28~~<sup>30</sup>, wherein the computer further tracks the inventory of liquid intermediates dispensed, and determines if a sufficient quantity of each liquid intermediate in the predetermined gravimetric formula is available for dispensing pursuant to step ~~(b)(e)~~.

32. (Amended) The dispensing system according to claim ~~28~~<sup>31</sup>, wherein the computer further bills the user for the liquid concentrates dispensed automatically at specified intervals.

33. (Cancelled – restriction requirement)

check scope changed  
removed  
check 31, 26

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34. (Cancelled – restriction requirement)

35. (Cancelled – restriction requirement)

36. (Cancelled – restriction requirement)

37. (New) The dispensing system according to claim 28, wherein the liquid intermediates are prepared at a remote location from the dispensing system.

38. (New) A dispensing system for preparing a liquid concentrate for use in the manufacture of plastic parts comprising:

- (a) a plurality of containers each containing a standardized liquid intermediate;
- (b) a dispensing machine for dispensing a plurality of liquid intermediates to produce the desired liquid concentrate, wherein the dispensing of the liquid intermediates is controlled by a computer according to a gravimetric formula for the liquid concentrate stored in the computer, wherein the liquid intermediates are dispensed consecutively according to the predetermined gravimetric formula, and wherein the gravimetric formula for the liquid concentrate is generated an operator using one or more of the liquid intermediates identified in an intermediate library stored in the computer; and
- (c) a mixing station for mixing the liquid concentrate to achieve a uniform distribution

39. (New) The dispensing system according to claim 38, wherein the computer further tracks the inventory of liquid intermediates dispensed, and determines if a sufficient quantity of each liquid intermediate in the predetermined gravimetric formula is available for dispensing pursuant to step (b).

See 32 → 40. (New) The dispensing system according to claim 38, wherein the computer further bills the user for the liquid concentrates dispensed automatically at specified intervals.

41. (New) The dispensing system according to claim 38, wherein the liquid intermediates are prepared at a remote location from the dispensing system.

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